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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 28136-2011

Testing method of material insoluble in water for pesticides

农药水不溶物测定方法

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses redrafted law revision adopted CIPACMT10 "water insoluble." this standard and CIPACMT10 "water insoluble" The main technical differences and the reasons are.

--- Modify using only CIPACMT10 10.1 and 10.2 in cold water, hot water insolubles two methods. CIPACMT10 in

10.3 The method is mainly used 150µm aperture sieve Determination of water insoluble matter, taking into account not yet using this method for the determination of pesticides Water insoluble, are suspended for the drafting; CIPACMT10 10.4 Determination method of water insoluble pesticide agent, the present standard Determination of cold water insolubles can be replaced.

--- Glass sand core crucible unified specifications for domestic generic G3 models. CIPACMT10 used G4 glass frit crucible deposit in the filter for a long time, easy to plug the shortcomings difficult to clean.

--- CIPACMT10 10.2 Method 200mL stoppered glass cylinder used in the non-domestic glassware stereotypes, this standard the method set forth in stoppered glass cylinder using 250mL sample was dissolved.

--- Increased pre-filter glass sand core crucible drying process requires an oven dried 1h 105 °C, so as to achieve a constant weight.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee on Pesticides (SAC/TC133) centralized.

This standard was drafted. Jiangxi Province Chemical Industry Institute.

1 Scope

This standard specifies the method for determination of water-insoluble pesticides.

This standard applies to the determination of the water-soluble pesticide formulations and insolubles.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 6682-2008 analytical laboratory use specifications and test methods (ISO 3696. 1987, MOD) Test Method 3

3.1 General provisions

Laboratory water should be consistent with GB/T 6682-2008 three water specifications.

3.2.1 Method summary

The sample was dissolved with boiling water, the insolubles were filtered, dried, and weighed.

3.2.2 Instruments

Glass sand core crucible. G3;

Oven. 105 °C ± 2 °C;

Beaker. 250mL;

Glass dryer;

Conical suction flask. 500mL.

3.2.3 Measuring step

The glass sand core crucible drying (105 °C about 1h) to a constant weight (accurate to 0.0002g), put in a glass desiccator cooling stand. Call A predetermined amount of the sample (accurate to 0.01g) in a beaker, water was added 100mL, heated to boiling, stirring constantly until all was dissolved solubles Solutions, hot glass sand core crucible filtered, washed with 75mL water residue was washed three times, the crucible at 105 °C drying to constant weight (to the nearest 0.0002g).

3.2.4 Calculation

Water insoluble mass fraction w_1 (%), according to equation (1).

$$w_1 = \frac{m_1 - m_0}{m_2} \times$$

$$100 \quad (1)$$